

Date	Time	Keywords	Abstract Title	Poster #	Presenter Author
June 30	10:00 - 12:30	Activity monitoring	Fear of falling affects quality of gait and turning in daily life in people with Parkinson's disease	P01-A-01	Carla Batista
June 30	10:00 - 12:30	Activity monitoring	Altered rest-activity rhythm in Parkinson's disease: Associations with motor severity and orthostatic hypotension	P01-A-02	Manon Mijnsbergen
June 30	10:00 - 12:30	Activity monitoring	Methods for IMU based daily life gait classification	P01-A-03	Michelle Van Mierlo
June 30	10:00 - 12:30	Activity monitoring	Identifying sleep parameters most strongly associated with balance in young people in Saudi Arabia	P01-A-04	Saud Alsubaie
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Sensorimotor adaptation, visual feedback and step length asymmetry in stroke survivors	P01-B-05	Ana Barela
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Adaptation of motor control strategies and neurophysiological anxious arousal during repeated blocks of split-belt walking	P01-B-06	Beier Lin
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Learning to suppress a balance recovery step: Implications for improving behavioral flexibility in reactive balance control	P01-B-07	David Bolton
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Comparing the impact of massed versus distributed perturbation-based balance training on 6-month fall rates and dynamic balance in older adult fallers: A single-blind randomized trial	P01-B-08	Julia Faria
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	The characterization of multiscale dynamics of resting-state supraspinal activity and its association to balance control in chronic ankle instability	P01-B-09	Junhong Zhou
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Neural variability may be reflective of motor refinement beyond initial adaptation of cortical activity in split-belt walking	P01-B-10	Kaya Yoshida
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Micro- but not macro-offline gains in gait sequence learning	P01-B-11	Menno Veldman

June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Differential neural activations between mental imagery and action observation of slipping among older adults	P01-B-12	Rudri Purohit
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Neuromuscular adaptations to perturbation-based balance training using obstacle trips in older people: the SafeTrip randomised controlled trial	P01-B-13	Steven Phu
June 30	10:00 - 12:30	Adaptation, learning, plasticity and compensation	Effects of sensory constraint on sensorimotor function in individuals with chronic ankle instability: A systematic review and meta-analysis	P01-B-14	Xiaomei Hu
June 30	10:00 - 12:30	Aging	Age-related changes in cognitive control during step initiation	P01-C-15	Alan Bince Jacob
June 30	10:00 - 12:30	Aging	Clinical utility of turning in Parkinson's disease: Initial findings from a systematic review	P01-C-16	Claire Wilkinson
June 30	10:00 - 12:30	Aging	The effect of pain on everyday walking in older people	P01-C-17	Emma Strijbos
June 30	10:00 - 12:30	Aging	Dynamic balance training in young and older adults: Does resting state EEG predict effects of TDCS?	P01-C-18	Hadis Imani
June 30	10:00 - 12:30	Aging	Characteristics of Falls in Older Adults in Europe: The SCOPE Study	P01-C-19	Itshak Melzer
June 30	10:00 - 12:30	Aging	Identifying the methods and metrics used to assess and describe sedentary behaviour in people with cognitive impairment: A systematic review	P01-C-20	Jenny Wales
June 30	10:00 - 12:30	Aging	Influence of reinforcement and error feedback on step exploration during gait in older adults	P01-C-21	Jose Barela
June 30	10:00 - 12:30	Aging	Prefrontal cortex activity and gait characteristics during complex gait dual-tasking in young, middle, and older adults	P01-C-22	L. Maureen Krelove
June 30	10:00 - 12:30	Aging	From resting-state to movement: The role of cortical networks in Parkinsonian gait	P01-C-23	Layla Silva

June 30	10:00 - 12:30	Aging	Gait-specific attentional profiles of older adults potentially identify adaptive and maladaptive use of conscious movement processing	P01-C-24	Omry Yogev
June 30	10:00 - 12:30	Aging	Cortical activity and step accuracy during visually cued gait in older adult fallers	P01-C-25	Paul McDonnell
June 30	10:00 - 12:30	Aging	Dual-task cost to gait speed may reflect cognitive reserve in older adults	P01-C-26	Pei-An Lee
June 30	10:00 - 12:30	Aging	Gait speed but not stride variability is associated with cognition during midlife	P01-C-27	Roy Tzemah-Shahar
June 30	10:00 - 12:30	Aging	An open-source, externally validated neural network algorithm to recognize the daily-life gait of older adults based on lower-back sensors	P01-C-28	Sina David
June 30	10:00 - 12:30	Aging	Closing the gap: Accurate gait speed estimation from wrist-worn accelerometer in older adults using self-supervised learning	P01-C-29	Yonatan Brand
June 30	10:00 - 12:30	Biomechanics Brain imaging/activation during posture and gait	Lateralized modulation of cortical beta power during human gait is related to arm swing	P01-D-30	Bernadette Van Wijk
June 30	10:00 - 12:30	Biomechanics Brain imaging/activation during posture and gait	Is perception of postural instability impaired in people with Parkinson's disease?	P01-D-31	Joris Van Der Cruisen
June 30	10:00 - 12:30	Biomechanics Brain imaging/activation during posture and gait	EEGManySteps: Investigating the influence of gait on EEG recordings	P01-D-32	Julius Welzel
June 30	10:00 - 12:30	Biomechanics Brain imaging/activation during posture and gait	Cortical markers of balance perturbations occur irrespective of the balance task	P01-D-33	Lucas Mensink
June 30	10:00 - 12:30	Cognitive impairments	An AI-driven wearable approach to monitor speed and dynamic balance during dual-task walking for early detection of mild cognitive impairment in community-dwelling older people	P01-E-34	Cheng-Hao Yu
June 30	10:00 - 12:30	Cognitive impairments	Building physical resilience in older adults with mild cognitive impairment	P01-E-35	Chun Liang Hsu

June 30	10:00 - 12:30	Cognitive impairments	Spatio-temporal walking parameters as predictors of dementia subtypes	P01-E-36	Lais Mello Serafim
June 30	10:00 - 12:30	Cognitive impairments	Investigating progression of gait in mild cognitive impairment subtypes	P01-E-37	Salma Elasfar
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Behavioral indicators of kinesiophobia and pain representation in chronic low back pain: Preliminary results	P01-F-38	Adrien Hakimi
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Examining the influence of movement reinvestment and affective disorders on gait behaviour in functional gait disorders	P01-F-39	Alexandra Girlea
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Better global cognition, slow processing speed, slow gait, and poor functional strength predict high concerns about falling among older adults with poor mobility living in the community or residential care facilities	P01-F-40	Deborah Jehu
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	The effects of mental fatigue on decision-making for collision avoidance	P01-F-41	Isaac Kelly
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Effects of prioritization of cognitive vs. motor tasks in anxiety-inducing virtual high elevations on gait performance	P01-F-42	Kelly Poretti
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	The influence of reinvestment on visual-perceptual judgements of stair steepness	P01-F-43	Luke Hill
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Interactions between cognition, voluntary motor tasks, and postural control during a visuomotor dual-task	P01-F-44	Madelyn Guidash
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Conscious and unconscious interoception shape the emotional influences on postural control	P01-F-45	Mayu Dohata
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Cortical activity during cognitive and motor tasks in mild traumatic brain injury	P01-F-46	Patrick Tait
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	The role of response inhibition, working memory, and cognitive flexibility in standing balance control	P01-F-47	Ranajay Samanta
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	“Postural control and emotions – are center of pressure parameters affected by emotional imagery in healthy individuals?”	P01-F-48	Sofie Van Wesemael

June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Sleep disturbance and gait health in patients with chronic neck pain: Cross-sectional observations	P01-F-49	Wren Burton
June 30	10:00 - 12:30	Cognitive, attentional, and emotional influences	Effects of difference of sensory modality in cognitive task on postural control	P01-F-50	Yusuke Sakaki
June 30	10:00 - 12:30	Coordination of posture and gait	Older adults actively regulate passive dynamic stability during complex locomotion	P01-G-51	Ashwini Kulkarni
June 30	10:00 - 12:30	Coordination of posture and gait	The influence of walking speed on lateral margin of stability during 180-degree turning in healthy young adults	P01-G-52	Ayako Hirano
June 30	10:00 - 12:30	Coordination of posture and gait	Evaluation of temporal and spatial joint coordination in idiopathic toe walkers and its association with clinical metrics	P01-G-53	Ching Hang Chiu
June 30	10:00 - 12:30	Coordination of posture and gait	Usual and dual-task gait in older women cancer survivors who completed chemotherapy more than 12 months ago	P01-G-54	Daniela Cristina Carvalho De Abreu
June 30	10:00 - 12:30	Coordination of posture and gait	The association between sensory integration and gait speed in community-dwelling older adults: Insights from a systematic review with meta-analysis	P01-G-55	Esma Nur Kolbaşı Dogan
June 30	10:00 - 12:30	Coordination of posture and gait	Advance knowledge of postural demands modulates rapid stepping behaviour	P01-G-56	Ilse Giesbers
June 30	10:00 - 12:30	Coordination of posture and gait	Corticospinal excitability during unpredictable mediolateral gait destabilisations	P01-G-57	Jennifer Davies
June 30	10:00 - 12:30	Coordination of posture and gait	Impaired perturbation perception or motor execution? Neuromechanistic causes of timber falls in older adults with mild cognitive impairment	P01-G-58	Jessica Pitts
June 30	10:00 - 12:30	Coordination of posture and gait	A protocol to study the impact of conditioned pain modulation on the nociceptive withdrawal reflex in walking	P01-G-59	Joanna Reeves
June 30	10:00 - 12:30	Coordination of posture and gait	The role of expectation in the cortical processing of imbalance	P01-G-60	Johnny Parr

June 30	10:00 - 12:30	Coordination of posture and gait	Neural mechanisms underlying dual-task locomotor performance and the effects of different training strategies in children: A scoping review	P01-G-61	Julia De Oliveira
June 30	10:00 - 12:30	Coordination of posture and gait	Coordination of upper and lower limb muscle activity during walking in healthy young adults	P01-G-62	Kio University
June 30	10:00 - 12:30	Coordination of posture and gait	The importance of age-specific base-of-support models for dynamic balance analysis	P01-G-63	Lizeth Sloot
June 30	10:00 - 12:30	Coordination of posture and gait	Neural control of muscle activities during obstacle avoidance	P01-G-64	Makoto Takahashi
June 30	10:00 - 12:30	Coordination of posture and gait	Horizontal moments are anticipatory compensated prior to the isometric force production in an upper limb	P01-G-65	Masahiro Shinya
June 30	10:00 - 12:30	Coordination of posture and gait	Postural control and EEG during quiet standing with different attentional focus conditions	P01-G-66	Natalie Richer
June 30	10:00 - 12:30	Coordination of posture and gait	Wavelet-based time-frequency analysis reveals age-related decline and fatigue-induced increase in beta-band intermuscular coherence in ankle muscles during gait	P01-G-67	Paulo Cezar Santos
June 30	10:00 - 12:30	Coordination of posture and gait	Walking energy expenditure and metabolic cost are elevated on treadmills compared to overground at faster speeds: A study on young Japanese females	P01-G-68	Sauvik Das Gupta
June 30	10:00 - 12:30	Coordination of posture and gait	Postural classification of healthy walking across diverse age groups	P01-G-69	Shoma Kudo
June 30	10:00 - 12:30	Coordination of posture and gait	Evaluating foot placement strategy in response to whole body linear and angular momentum perturbation during treadmill walking – preliminary results	P01-G-70	Simone Berkelmans
June 30	10:00 - 12:30	Coordination of posture and gait	Effects of dual tasking on digital turning parameters during a 180° turn while walking among people with mild cognitive impairment	P01-G-71	Sofie Fors
June 30	10:00 - 12:30	Coordination of posture and gait	The effect of acoustic startle reflexes on lower limb muscle coordination patterns during gait	P01-G-72	Sora Ohnishi

June 30	10:00 - 12:30	Coordination of posture and gait	Increased attentional resources may be required to maintain standing balance under conditions of altered visual and somatosensory feedback	P01-G-73	Stephanie Jones
June 30	10:00 - 12:30	Coordination of posture and gait	The contribution of upper limbs when landing from a jump in young children	P01-G-74	Thibaut Toussaint
June 30	10:00 - 12:30	Coordination of posture and gait	Effects of dual-tasking on stepping strategy and inter-joint coordination during walking in older adult fallers and non-fallers	P01-G-75	Ziwei Zeng
June 30	10:00 - 12:30	Effect of medication on posture and gait	From lab to life: Deprescribing Anticholinergic and sedative medications to improve mobility in older adults	P01-I-76	Karina Lebel
June 30	10:00 - 12:30	Devices to improve posture and gait	Multisegmental joint kinematics of the foot when walking in textured foot orthoses	P01-I-77	Kelly Robb
June 30	10:00 - 12:30	Devices to improve posture and gait	How does challenging one's gait performance in a virtual reality environment compare to the real-world?	P01-I-78	Niousha Parsa
June 30	10:00 - 12:30	Effect of medication on posture and gait	The dynamics of balance recovery post-stroke; a critical period, regression to the mean or inpatient rehabilitation	P01-I-79	Noy Goldhamer
June 30	10:00 - 12:30	Exercise and physical activity	Effects of physical activity on brain white matter integrity are region-, dose- and age- dependent: Findings from the population-based Rhineland study	P01-J-80	Eva Saxler
June 30	10:00 - 12:30	Exercise and physical activity	Standing versus sitting down again: Does the task end-goal affect sit-to-stand performance?	P01-J-81	Ali Asgher Zaveri
June 30	10:00 - 12:30	Exercise and physical activity	Three-week video- and home-based training program for people with Ataxia	P01-J-82	Clara Rentz
June 30	10:00 - 12:30	Exercise and physical activity	The influence of ankle joint angle and surrounding ankle muscles on hip muscles	P01-J-83	Yuta Murata
June 30	10:00 - 12:30	Falls and fall prevention	Biomechanical predictors of loss of balance during handstand and handstand-walking	P01-K-84	Charlotte Le Mouel

June 30	10:00 - 12:30	Falls and fall prevention	Using digital mobility outcomes (DMOS) extracted from a lower-back device worn for 1 week to assess fall risk in diverse cohorts: Prospective results from the mobilise-d study	P01-K-85	Jeffrey M Hausdorff
June 30	10:00 - 12:30	Falls and fall prevention	A 'case-mix' approach to understand health resource utilization trajectories among older adults at high risk of falls: A secondary analysis of a randomized clinical trial	P01-K-86	Jennifer Davis
June 30	10:00 - 12:30	Falls and fall prevention	Lower limb prosthesis users' descriptions of injurious falls extend beyond an injury that requires medical treatment	P01-K-87	Julie Ferrell-Olson
June 30	10:00 - 12:30	Falls and fall prevention	Perturbation-based balance training on treadmills: A scoping review of training protocols for falls prevention in older adults	P01-K-88	Nina Marie Schmidt
June 30	10:00 - 12:30	Falls and fall prevention	Towards a systematic review and individual participant data meta-analysis of fall risk assessment through wearable inertial sensors	P01-K-89	Pierpaolo Palumbo
June 30	10:00 - 12:30	Falls and fall prevention	Environmental falls prevention: Developing architectural standards based on long-term wet slip resistance assessments	P01-K-90	Richard Bowman
June 30	10:00 - 12:30	Falls and fall prevention	Identifying the association between fall frequency in young adults and transient peaks in air pollution	P01-K-91	Riley Schellingerhout
June 30	10:00 - 12:30	Falls and fall prevention	Individual or combined model? slip and trip related fall-risk prediction for healthy older adults	P01-K-92	Shuaijie Wang
June 30	10:00 - 12:30	Falls and fall prevention	The United Kingdom slip resistance group	P01-K-93	Stephen Thorpe
June 30	10:00 - 12:30	Habilitation & rehabilitation	Wearable technology to characterize and treat mild traumatic brain injury subtypes: Biofeedback-based precision rehabilitation (subtype protocol)	P01-L-94	Jae Lee
June 30	10:00 - 12:30	Habilitation & rehabilitation	Targeted rehabilitation approaches for balance and gait improvement in patients with partial spinal cord injury	P01-L-95	Manish Gupta

June 30	10:00 - 12:30	Habilitation & rehabilitation	Evaluation of daily living gait sensitively detects changes in gait speed in patients with symptomatic knee osteoarthritis	P01-L-96	Takato Hashizume
June 30	10:00 - 12:30	Habilitation & rehabilitation	Effects of the posterior pelvic tilt sitting posture on thoracic morphology and respiratory function	P01-L-97	Yoshihiro Aramaki
June 30	10:00 - 12:30	Modeling	Simulation of anticipatory postural adjustment of ankle torque in response to trunk disturbance using optimal feedback control theory	P01-M-98	Kazuma Hata
June 30	10:00 - 12:30	Modeling	Slow dynamics of human balance control	P01-M-99	Kyle Missen
June 30	10:00 - 12:30	Neurological diseases	Characterizing how different subtypes of freezers performed on the new clinician reported outcome for freezing of gait	P01-N-100	Abhishesh Homagain
June 30	10:00 - 12:30	Neurological diseases	Impact of increased respiratory load on prefrontal cortical activation under varying task complexities of trail walking task	P01-N-101	Alka Bishnoi
June 30	10:00 - 12:30	Neurological diseases	Beyond the leaderboard: Evaluating the robustness of deep learning models for detecting freezing of gait	P01-N-102	Amit Salomon
June 30	10:00 - 12:30	Neurological diseases	Are digital mobility outcomes sensitive to the biologic staging system of Parkinson's disease?	P01-N-103	Chiara Pirini
June 30	10:00 - 12:30	Neurological diseases	Characterizing the time of day and year of falls in people with probable Parkinson's disease	P01-N-104	Daniel Peterson
June 30	10:00 - 12:30	Neurological diseases	Prefrontal cortex activity, but not gait parameters, differentiates fallers from non-fallers in Parkinson's disease	P01-N-105	Diego Orcioli-Silva
June 30	10:00 - 12:30	Neurological diseases	Increased excitability of cortical projections to ankle flexors and extensors in Parkinson's disease	P01-N-106	Emily Lecy
June 30	10:00 - 12:30	Neurological diseases	Developing a digital framework for continuous monitoring of rest-activity and sleep in inpatients with Parkinson's and delirium	P01-N-107	Gemma Bate

June 30	10:00 - 12:30	Neurological diseases	Turning performance in neurodegenerative disease: Classification and longitudinal assessment	P01-N-108	Ilaria D'ascanio
June 30	10:00 - 12:30	Neurological diseases	Enhancing reactive stepping performance in Parkinson's disease through action observation with motor simulation	P01-N-109	Ilse Leijen
June 30	10:00 - 12:30	Neurological diseases	Motor-sensory integration during postural control after sport related concussions	P01-N-110	Ingo Helmich
June 30	10:00 - 12:30	Neurological diseases	Impact of muscle weakness and joint contracture in lower limb on walking impairments in people with Multiple Sclerosis	P01-N-111	Jasmine Menant
June 30	10:00 - 12:30	Neurological diseases	Physical activity and sedentary behavior monitoring in people with Parkinson's disease and fatigue	P01-N-112	Jordan Bedime
June 30	10:00 - 12:30	Neurological diseases	Enhancing patient- and clinician-reported outcome measures for freezing of gait in Parkinson's disease through patient engagement	P01-N-113	Kaylena Ehgoetz Martens
June 30	10:00 - 12:30	Neurological diseases	Understanding the relationship of static and dynamic balance measures in ataxic stance and gait at different disease stages	P01-N-114	Kristina Bohn
June 30	10:00 - 12:30	Neurological diseases	Real-world digital mobility outcomes in single and recurrent fallers with Parkinson's disease	P01-N-115	Lisa Alcock
June 30	10:00 - 12:30	Neurological diseases	Ai-moka: A pilot study on AI-based wearable telemonitoring to explore gait, balance, and cognitive load in daily activities	P01-N-116	Ludovico Pedullà
June 30	10:00 - 12:30	Neurological diseases	Transcranial magnetic stimulation evoked potentials used to assess pain and motor-symptoms in persons with Parkinson's disease: A protocol	P01-N-117	Margit Bach
June 30	10:00 - 12:30	Neurological diseases	Test-retest reliability of IMU-based turning in place outcomes in people with Parkinson's disease and freezing of gait	P01-N-118	Margot Genbrugge

June 30	10:00 - 12:30	Neurological diseases	The effects of physical exercise on motor complications in Parkinson's disease: A systematic review and meta-analysis	P01-N-119	Priscila Nobrega-Sousa
June 30	10:00 - 12:30	Neurological diseases	Freezing of gait and fear of falling in patients with Parkinson's disease: A cerebral blood flow imaging analysis	P01-N-120	Mitsuyoshi Tamura
June 30	10:00 - 12:30	Neurological diseases	Daily walking outcomes as a motor prodromal marker of Parkinson's disease incidence – a UK biobank study	P01-N-121	Paulo Pelicioni
June 30	10:00 - 12:30	Neurological diseases	Real-world digital mobility outcomes evolution between patients with Parkinson's disease with and without freezing of gait and converters to freezing of gait	P01-N-122	Pieter Ginis
June 30	10:00 - 12:30	Neurological diseases	Split-belt gait adaptation in people with a functional neurological movement disorder	P01-N-123	Tom Buurke
June 30	10:00 - 12:30	Orthopedic diseases and injuries	Preoperative characterization of Sarcoma patients through an ecological wearable sensor-based protocol	P01-O-124	Cecilia Lo Zoppo
June 30	10:00 - 12:30	Orthopedic diseases and injuries	Effects of cognitive task difficulty on postural control during dual-task performance in individuals with chronic ankle instability	P01-O-125	Riku Shirahata
June 30	10:00 - 12:30	Orthopedic diseases and injuries	Effects of hip arthroscopy on gait, functional performance, and patient-reported outcomes in military service members	P01-O-126	Tyler Cardinale
June 30	10:00 - 12:30	Proprioceptive function and disorders development of posture and gait	Lower limb sensorimotor function explains a greater proportion of balance impairment in people with COPD compared to people without COPD	P01-P-127	Samantha Harrison
June 30	10:00 - 12:30	Proprioceptive function and disorders development of posture and gait	Effect of additional somatosensory information on gait trajectory deviated by neck muscle vibration	P01-P-128	Sotaro Sato
June 30	10:00 - 12:30	Sensorimotor control	Anticipatory cortical modulation under varying balance demands	P01-R-129	Ali Doroodchi
June 30	10:00 - 12:30	Sensorimotor control	Effect of movement speed on athlete decision making	P01-R-130	Devyn Cochrane

June 30	10:00 - 12:30	Sensorimotor control	Examining the effects of movement perception during balance tasks	P01-R-131	Kayton Jaksic
June 30	10:00 - 12:30	Sensorimotor control	Exploring the cortical involvement in sensorimotor integration during early stages of independent walking	P01-R-132	Nadia Dominici
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	Gait adaptability in chronic low back pain: Reduced complexity during aperture passing	P01-S-133	Agathe Bilhaut
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	Hybrid machine learning with particle swarm optimization for step length estimation in healthy adults	P01-S-134	Conor Wall
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	Standardizing the usage of head movements in gait stability assessment through augmented reality	P01-S-135	Eugénie Lambrecht
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	Implementing self-selected gait speed in virtual reality for research – fully immersive head mounted device versus semi-immersive large screen-based device	P01-S-136	Meir Plotnik
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	IMU-based pelvic rotation detection: Insights from machine learning and rom analysis	P01-S-137	Meixing Liao
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	External validation of a deep learning model for freezing of gait detection in Parkinson's disease	P01-S-138	Po-Kai Yang
June 30	10:00 - 12:30	Tools and methods for posture and gait analysis	A physics-informed federated learning model to decompose bilateral ground reaction forces and centre of pressure from a single forceplate for gait analysis	P01-S-139	Yi-Fu Lu
June 30	10:00 - 12:30	Vestibular function and disorders	Combined influence of auditory and vestibular cues in navigation tasks: Preliminary results	P01-T-140	Assan Mary Cédras
June 30	10:00 - 12:30	Vestibular function and disorders	Frequency-dependent processing of sensory signals to detect abnormal whole-body oscillations	P01-T-141	Atika Omerani
June 30	10:00 - 12:30	Vestibular function and disorders	Real-world head kinematics in persons with persistent postural-perceptual dizziness (PPPD).	P01-T-142	Clara Orsini

June 30	10:00 - 12:30	Vestibular function and disorders	Differences in axis specific recovery between vestibulo-ocular reflexes (VOR) and vestibulo-spinal reflexes (VSR) after an acute unilateral peripheral vestibular deficit (AUPVD)	P01-T-143	John Allum
June 30	10:00 - 12:30	Vestibular function and disorders	Objective characteristics of nystagmus of Roll Test and Dix-Hallpike Test in benign paroxysmal positional vertigo	P01-T-144	Ran Ji
June 30	10:00 - 12:30	Vestibular function and disorders	The impact of locomotion speed on gaze stabilization and dynamic visual acuity	P01-T-145	Sandra Kollmansperger
June 30	10:00 - 12:30	Vestibular function and disorders	Gait and mobility remain impaired after repositioning maneuver in older adults with Benign Paroxysmal Positioning Vertigo	P01-T-146	Sara Pauwels
June 30	10:00 - 12:30	Vestibular function and disorders	Assessments of subjective visual gravity and spontaneous Nystagmus in patients with Vestibular Neuritis	P01-T-147	Yazhi Xing
June 30	10:00 - 12:30	Visual function and disorders	How obstacle contrast and height affect foot placement variability in adults with normal and impaired vision	P01-U-148	Kierstyn Napier-Dovorany
June 30	10:00 - 12:30	Visual function and disorders	Effects of useful field of view on postural control during a quiet stance	P01-U-149	Naoya Hasegawa
June 30	10:00 - 12:30	Vestibular function and disorders	The graded treatment strategy of vestibular rehabilitation for patients with intractable dizziness caused by peripheral vestibulopathy	P01-T-150	Toshiaki Yamanaka
July 1	10:00 - 12:00	Activity monitoring	A method for accurate step detection from IMU data recorded from smartphones worn in multiple body locations	P02-A-01	Claudia Mazzà
July 1	10:00 - 12:00	Activity monitoring	Recovery of real-world gait 1 and 2 years after total knee arthroplasty	P02-A-02	Frank Bruning
July 1	10:00 - 12:00	Activity monitoring	Wearable measures of sleep and sedentary behaviour in neurodegenerative conditions: A systematic review	P02-A-03	Mohammadreza Sedghi
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Verbal memory practice effects are associated with responsiveness to reactive balance training in Parkinson's disease	P02-B-04	Andrew Monaghan

July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Assessing the impact of perturbation intensity schedule on improvements in reactive balance recovery in young adults: An experimental study	P02-B-05	Christopher Mccrum
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Motor memory during walking in older adults relies on attentional resources, unlike in younger adults	P02-B-06	Gelsy Torres-Oviedo
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Overview of effects of motor learning strategies in neurologic and geriatric populations: A systematic mapping review	P02-B-07	Li-Juan Jie
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Effect of visual biofeedback scale on the rambling and trembling components	P02-B-08	Lucas Michaud
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Postural adaptation, sensory reweighting and muscle co-contraction for postural control in people living with Parkinson's disease	P02-B-09	Mihalis Doulas
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Obstacle crossing: Reducing foot placement variability is associated with reduced toe clearance variability in younger and older adults	P02-B-10	Shirley Rietdyk
July 1	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Effects of known versus unknown load positions during lifting tasks on postural control in healthy adults	P02-B-11	Tippawan Kaewmanee
July 1	10:00 - 12:00	Aging	Lifetime noise exposure affects age-related gait changes	P02-C-12	Anca Velisar
July 1	10:00 - 12:00	Aging	Injuries, causes and activities related to falls are under-reported in prospective studies of older adults: A brief review	P02-C-13	Aybike Şenel
July 1	10:00 - 12:00	Aging	Real-world walking bouts were increasingly broken up with age in multi-cohort adults	P02-C-14	Chloe Hinchliffe
July 1	10:00 - 12:00	Aging	The EXALT cycle ergometer: A technological innovation for the rehabilitation of frail older adults	P02-C-15	Eleonor Riesco
July 1	10:00 - 12:00	Aging	Epidemiology of falls in community-dwelling older adults in Europe: A systematic review and meta-analysis	P02-C-16	Ellis Rommers

July 1	10:00 - 12:00	Aging	How do plantar flexor muscle characteristics influence the use of trailing-limb control to maintain stability during walking?	P02-C-17	Nancy Nguyen
July 1	10:00 - 12:00	Aging	Does previewing of walking route lead to safer stepping strategies in community dwelling older adults when dual-tasking?	P02-C-18	Olivia Mcveigh-Mellor
July 1	10:00 - 12:00	Aging	Gait speed is associated broadly with cognitive function under both normal and dual-task conditions in older adults	P02-C-19	On-Yee Amy Lo
July 1	10:00 - 12:00	Aging	Towards an explanation for 'unexplained' dizziness in older people	P02-C-20	Patricia Castro
July 1	10:00 - 12:00	Aging	Gait adaptations following exercise-induced muscle fatigue in older adults: Awareness and intentionality	P02-C-21	Paul Voorn
July 1	10:00 - 12:00	Aging	Physical capacity and biological age: The contribution of gait characteristics in midlife	P02-C-22	Roy Tzemah-Shahar
July 1	10:00 - 12:00	Aging	Keep exercising & stay steady: Co-design of an exercise maintenance intervention for people exiting falls prevention exercise programs	P02-C-23	Sarah Audsley
July 1	10:00 - 12:00	Aging	Age-related changes in proprioceptive reweighting: Preliminary insights	P02-C-24	Tamaya Van Criekeing
July 1	10:00 - 12:00	Aging	Deep learning-based physical exercise assessment of older adults using single-camera video-footage in residential care settings	P02-C-25	Vayalet Stefanova
July 1	10:00 - 12:00	Aging	Identifying fall-risk factors related to aging using a custom virtual-reality sensory integration in balance assessment	P02-C-26	William Wright
July 1	10:00 - 12:00	Aging	Explainable AI reveals how deep learning classifies age-related gait patterns	P02-C-27	Xiaoping Zheng
July 1	10:00 - 12:00	Aging	Effects of a multicomponent exercise program on mobility and frailty in older adults in care homes: A cluster randomized controlled trial	P02-C-28	Yijian Yang
July 1	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	The association between cerebral blood flow and standing dual task performance is dependent upon age group and cognitive load	P02-D-29	Azizah Jor'dan

July 1	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	Behavioral and neural changes induced by a rehabilitation treatment using an instrumented crutch: A longitudinal fNIRS study	P02-D-30	Costanza Iester
July 1	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	Understanding walking fatigability in Multiple Sclerosis: Preliminary results of cortical brain activation and gait during 6 minutes of walking	P02-D-31	Felipe Santinelli
July 1	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	Distinct neural correlates of forward and backward walking in Multiple Sclerosis	P02-D-32	Patrick Monaghan
July 1	10:00 - 12:00	Cognitive impairments	Objective measure of balance and fall risk in people with Parkinson's disease: Impact of cognitive impairment	P02-E-33	Carla Batista
July 1	10:00 - 12:00	Cognitive impairments	The role of motor reserve in dual-task gait and responsivity to multi-domain interventions for mild cognitive impairment– results from the synergic and compass-nd studies	P02-E-34	Eden Mancor
July 1	10:00 - 12:00	Cognitive impairments	Dual-task-TUG sensor metrics are related to incident Alzheimer's disease dementia and cognitive decline: A prospective study in older adults	P02-E-35	Roni Gover
July 1	10:00 - 12:00	Cognitive impairments	Compromised COM-COP control in patients with MCI during obstacle crossing: Implications for fall risk and early detection	P02-E-36	Shiuan-Huei Lu
July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Effects of attentional engagement on vestibular perception and processing	P02-F-37	Malhar Mukne
July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Associations between regional brain volumes and dual decline in gait speed and memory	P02-F-38	Michele Callisaya
July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Effects of a training program for older adults based on simultaneous challenging dynamic balance and cognitive tasks	P02-F-39	Pedro Henrique Monteiro
July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Daily life postural transition kinematics in neurodegenerative and immune-mediated inflammatory disease from a lower back-worn inertial measurement unit	P02-F-40	Robbin Romijnders

July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Effects of postural threat and attentional interference on postural sway in older adults	P02-F-41	Sota Hirosaki
July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Understanding balance control in response to gait perturbations in adults with attention deficit hyperactivity disorder (ADHD)	P02-F-42	Stephen Perry
July 1	10:00 - 12:00	Cognitive, attentional, and emotional influences	Chronic neck pain is associated with worse gait health: Cross-sectional observations	P02-F-43	Wren Burton
July 1	10:00 - 12:00	Coordination of posture and gait	High-demand cognitive-locomotor dual tasking interferes with locomotion as reflected in gait kinematics: A virtual reality study	P02-G-44	Adi Lustig
July 1	10:00 - 12:00	Coordination of posture and gait	Difference in gait termination of healthy young adults and elderly	P02-G-45	Ami Kawata
July 1	10:00 - 12:00	Coordination of posture and gait	Automated detection of freezing of gait from video recordings in complex environments using a multi scale ST GCN	P02-G-46	Arie Shkolnikov
July 1	10:00 - 12:00	Coordination of posture and gait	Sensory cortical contributions during standing balance are altered in individuals with Parkinson's disease	P02-G-47	Ashwini Sansare
July 1	10:00 - 12:00	Coordination of posture and gait	Intersegmental coupling of the trunk during gait in people with PD: A predictor of postural instability?	P02-G-48	Callen Maupin
July 1	10:00 - 12:00	Coordination of posture and gait	Understanding gait variability and muscle synergy in children with developmental coordination disorder: Protocol of a cross-sectional study and preliminary findings	P02-G-49	Cheuk Yin Ho
July 1	10:00 - 12:00	Coordination of posture and gait	Responders and non-responders to external and internal cueing in the international UNITE-PD study	P02-G-50	Cindel Albers
July 1	10:00 - 12:00	Coordination of posture and gait	Muscle co-contraction in people with Parkinson's disease suffering from freezing of gait	P02-G-51	David Buzaglo
July 1	10:00 - 12:00	Coordination of posture and gait	Targeted visual biofeedback-based intervention improves trunk mobility in stroke patients: Interim results	P02-G-52	Diana Bzdúšková

July 1	10:00 - 12:00	Coordination of posture and gait	Validating an fMRI foot-tapping paradigm to study the neural mechanisms of cueing strategies in people with Parkinson's disease	P02-G-53	Elsa De Lange
July 1	10:00 - 12:00	Coordination of posture and gait	Reactive stepping behavior during dual-tasking is associated with falls among community-dwelling older adults	P02-G-54	Hideyuki Tashiro
July 1	10:00 - 12:00	Coordination of posture and gait	Trunk instability during single task, fast paced, and dual task gait in Huntington's disease	P02-G-55	Joan O'keefe
July 1	10:00 - 12:00	Coordination of posture and gait	Effects of lifestyle activity level on crowd navigation preference and performance in young adults	P02-G-56	Joris Boulo
July 1	10:00 - 12:00	Coordination of posture and gait	Effects of simulated crowd density on gait dynamics in virtual reality environments	P02-G-57	Kentaro Kodama
July 1	10:00 - 12:00	Coordination of posture and gait	Turns increase the impact of impaired eye movements on locomotion in cerebellar ataxia	P02-G-58	Kristina Bohn
July 1	10:00 - 12:00	Coordination of posture and gait	Older fallers maintain predictive stability during walking with increasing asymmetric loads	P02-G-59	Lais Mello Serafim
July 1	10:00 - 12:00	Coordination of posture and gait	Objective gait variability measures- comparisons between people with and without abnormal amyloid pathology (AB42/40)	P02-G-60	Magnus Lindh-Rengifo
July 1	10:00 - 12:00	Coordination of posture and gait	Metabolic energy expenditure in quiet standing and gait initiation is similar over a wide	P02-G-61	Matto Leeuwis
July 1	10:00 - 12:00	Coordination of posture and gait	Steps against the burden of Parkinson's disease: A multicenter speed-dependent treadmill training protocol to unravel underlying mechanisms and translations to the home-based environment	P02-G-62	Maira Van Leeuwen
July 1	10:00 - 12:00	Coordination of posture and gait	Exploring harmonic walking development in children with unilateral cerebral palsy and typically developing toddlers: Insights from walking experience	P02-G-63	Nadia Dominici
July 1	10:00 - 12:00	Coordination of posture and gait	Temporal relationships of trunk stability and muscle synergy to gait characteristics in persons with subacute stroke	P02-G-64	Naruhito Hasui

July 1	10:00 - 12:00	Coordination of posture and gait	Step accuracy in ADHD adults is influenced by visual distraction and reduced visual information	P02-G-65	Patrick Crowley
July 1	10:00 - 12:00	Coordination of posture and gait	Forward-lateral load shifts in half-squats: A strategy for targeting intrinsic foot muscles	P02-G-66	Rina Murata
July 1	10:00 - 12:00	Coordination of posture and gait	The relationship between turning and falls in Parkinson's disease: A survey	P02-G-67	Rosie Morris
July 1	10:00 - 12:00	Coordination of posture and gait	Comparison of postural control between tai chi exercise and modified ronggeng exercise in community-dwelling older adults	P02-G-68	Sirirat Tohpreecha
July 1	10:00 - 12:00	Coordination of posture and gait	The impact of age on muscle and kinematic responses following an unpredictable slip while walking	P02-G-69	Steven Phu
July 1	10:00 - 12:00	Coordination of posture and gait	The impact of unstable load carriage on gait variability in healthy adults: A proof of concept study	P02-G-70	Tansu Birinci Olgun
July 1	10:00 - 12:00	Coordination of posture and gait	Digital daily life activity and gait measures show promise to track progression in early Parkinson's disease	P02-G-71	Vrutangkumar Shah
July 1	10:00 - 12:00	Coordination of posture and gait	Gait characteristics and recovery process of cerebellar stroke patients with ataxia	P02-G-72	Yuichiro Yamasaki
July 1	10:00 - 12:00	Coordination of posture and gait	Gait analysis and application of normal population based on long static platform	P02-G-73	Zhihao Chen
July 1	10:00 - 12:00	Developmental disorders	The cortical control of reactive balance recovery in adults with Developmental Coordination Disorder: An EEG feasibility study	P02-H-74	Johnny Parr
July 1	10:00 - 12:00	Developmental disorders	Six-month follow-up of cortical frontoparietal brain activity during an anticipatory postural control task in children with developmental coordination disorder: An fNIRS study	P02-H-75	Maja Van Grinderbeek
July 1	10:00 - 12:00	Effect of medication on posture and gait	Comparing continuous foslevodopa-foscarbidopa infusion (Produodopa) with standard oral therapy on gait and imbalance in advanced Parkinson's disease	P02-I-76	Bradley Lonergan

July 1	10:00 - 12:00	Effect of medication on posture and gait	Systematic review of wearables assessing medication effect on motor function and symptoms in Parkinson's disease	P02-I-77	Emma Packer
July 1	10:00 - 12:00	Devices to improve posture and gait	Prosthetic foot design mitigates amputation-related increases in performance fatigability among unilateral traumatic transtibial prosthesis users	P02-I-78	Julie Ferrell-Olson
July 1	10:00 - 12:00	Devices to improve posture and gait	The immediate effects of Vibrotexture insoles on quiet standing balance and lower limb neuromuscular responses in healthy older adults	P02-I-79	Megan Trotman
July 1	10:00 - 12:00	Devices to improve posture and gait	Development and safety assessment of a mobile electrical stimulator for therapeutic vestibular modulation	P02-I-80	Sandra Kollmansperger
July 1	10:00 - 12:00	Exercise and physical activity	Digital biomarkers of fatigue in chronic diseases: Systematic review	P02-J-81	Nana Aboagye
July 1	10:00 - 12:00	Exercise and physical activity	Effect of advanced footwear technology on ground reaction forces at moderate running speed (14 km/h) and sprinting speed (18 km/h)	P02-J-82	Priyadharshini Ramalingam
July 1	10:00 - 12:00	Exercise and physical activity	Home-based digital augmented-reality rehabilitation for individuals recovering from stroke: Protocol of a clinical trial	P02-J-83	Daphne Geerse
July 1	10:00 - 12:00	Exercise and physical activity	Steps to health: Backward walking predicts physical activity levels in Multiple Sclerosis	P02-J-84	Michael Vannostrand
July 1	10:00 - 12:00	Falls and fall prevention	Clinical management of concerns about falling: Gaps, barriers and future directions	P02-K-85	Bianca Nicklen
July 1	10:00 - 12:00	Falls and fall prevention	Flywheel power training improves gait initiation, rate of force development, functional mobility and balance in older adult fallers	P02-K-86	Bryan Rivero
July 1	10:00 - 12:00	Falls and fall prevention	Relationship between plantar friction perception and Somatosensory modalities	P02-K-87	Chiharu Yoshihara
July 1	10:00 - 12:00	Falls and fall prevention	Age related differences in stability: Examining initial and final responses to balance perturbations	P02-K-88	Emma Heath

July 1	10:00 - 12:00	Falls and fall prevention	A systematic review of the evidence of interventions to reduce falls and improve safety on stairs	P02-K-89	Joanna Wootton
July 1	10:00 - 12:00	Falls and fall prevention	A randomized study on the effects of action observation with motor simulation for improving reactive stepping in older adults with a history of falls	P02-K-90	Lotte Hagedoorn
July 1	10:00 - 12:00	Falls and fall prevention	The effectiveness of a nation-wide implemented fall prevention intervention in reducing falls and fall-related injuries among community-dwelling older adults with an increased risk of falls: A randomized controlled trial	P02-K-91	Maaïke Gameraen
July 1	10:00 - 12:00	Falls and fall prevention	Development of a concern about falling scale for older adults living in long-term care settings	P02-K-92	Mei Ling (Mae) Lim
July 1	10:00 - 12:00	Falls and fall prevention	Rethinking the role of ambulatory activity in falls risk in aged residential care: Influence of physical capacity and cognitive status	P02-K-93	Riona Mc Ardle
July 1	10:00 - 12:00	Falls and fall prevention	A machine learning approach to predict future falls for older adults in care-homes across Japan: A collaborative study with a care company	P02-K-94	Sauvik Das Gupta
July 1	10:00 - 12:00	Falls and fall prevention	Postural responses of older adults for arresting real-life forward falls	P02-K-95	Stephen Robinovitch
July 1	10:00 - 12:00	Habilitation & rehabilitation	Effects of real-time feedback-induced attenuation of postural sway on postural control in patients with spinocerebellar degeneration	P02-L-96	Kenta Takeda
July 1	10:00 - 12:00	Habilitation & rehabilitation	Development and pilot testing of a digital physical activity intervention targeting daily walk time in people 50 years and over experiencing chronic low back pain	P02-L-97	Kimberley Van Schooten

July 1	10:00 - 12:00	Habilitation & rehabilitation	Virtual outpatient rehabilitation: Co-design, development and initial user testing of a digital rehabilitation program for enhanced patient management and rehabilitation outcomes	P02-L-98	Meghan Ambrens
July 1	10:00 - 12:00	Habilitation & rehabilitation	Exploring spinal reflex modulation in the pelvic floor muscles through sensory stimulation from the lower limb	P02-L-99	Yao Sun
July 1	10:00 - 12:00	Modeling	Modulation of gait control under metronomic constraint assessed by long-range autocorrelations in healthy population and in Parkinson's disease	P02-M-100	Clémence Vandamme
July 1	10:00 - 12:00	Modeling	From posture to core: Estimating spine deformation from dorsal shape in adolescent Idiopathic Scoliosis	P02-M-101	Sasa Cukovic
July 1	10:00 - 12:00	Modeling	Standing stability is achieved by keeping feedback gains near critical levels	P02-M-102	Yang Geng
July 1	10:00 - 12:00	Neurological diseases	Increased fall-related injuries in central body parts among individuals with Parkinson's disease: A secondary cross-sectional analysis of the retrace database	P02-N-103	Anne-Marie Hanff
July 1	10:00 - 12:00	Neurological diseases	A novel approach to study structural and functional correlates of gait in Parkinson's disease	P02-N-104	Ariane Delgado-Sanchez
July 1	10:00 - 12:00	Neurological diseases	CuePD: Personalised gait retraining via a smartphone app	P02-N-105	Conor Wall
July 1	10:00 - 12:00	Neurological diseases	Social support levels may not impact physical function following a tango or walking intervention in people with Parkinson's disease: An exploratory analysis of a randomized controlled trial	P02-N-106	Deborah Jehu
July 1	10:00 - 12:00	Neurological diseases	Effectiveness of combined TDCS and exercise on gait asymmetry in Parkinson's disease: A randomized sham-controlled study	P02-N-107	Fabio Barbieri

July 1	10:00 - 12:00	Neurological diseases	Exploring the longitudinal changes in digital rest-activity and sleep outcomes in inpatients with Parkinson's, with and without delirium	P02-N-108	Gemma Bate
July 1	10:00 - 12:00	Neurological diseases	Turning heads: does head motion during turning in people with Parkinson's disease correlate with clinical measures?	P02-N-109	Hilary Cox
July 1	10:00 - 12:00	Neurological diseases	Digital technology-based assessment of gait, posture, and upper Limb Bradykinesia in Parkinson's disease: Response to subthalamic deep brain stimulation and levodopa	P02-N-110	Ilaria D'ascanio
July 1	10:00 - 12:00	Neurological diseases	Does motor fluctuations affect gait and turns in daily life in people with Parkinson's disease?	P02-N-111	Jae Lee
July 1	10:00 - 12:00	Neurological diseases	Neural correlates of concern about falling in Multiple Sclerosis: Resting-state functional connectivity between the Amygdala, Hippocampus, and Cerebellum	P02-N-112	Taylor Takla
July 1	10:00 - 12:00	Neurological diseases	The process of establishing a multidisciplinary research agenda for understanding physical activity in people with Parkinson's disease in Sweden	P02-N-113	Lisa Sandberg
July 1	10:00 - 12:00	Neurological diseases	Supporting gait and balance rehabilitation in people with Multiple Sclerosis: Usability and preliminary efficacy of a biofeedback-enabled crutch in continuity of care	P02-N-114	Ludovico Pedullà
July 1	10:00 - 12:00	Neurological diseases	Post-stroke gait asymmetry: Differentiating pure impairments from compensatory strategies	P02-N-115	Naomichi Mizuta
July 1	10:00 - 12:00	Neurological diseases	Perspectives of individuals with motor incomplete spinal cord injury on gait adaptability training during rehabilitation: A qualitative study	P02-N-116	Nicole Cesca
July 1	10:00 - 12:00	Neurological diseases	Can turning quality be improved by a novel turning intervention in people with Parkinson's disease? A preliminary analysis	P02-N-117	Patricia Carlson-Kuhta

July 1	10:00 - 12:00	Neurological diseases	Cortical Activity during standing balance in Parkinson's disease, older adults and young adults	P02-N-118	Patrick Tait
July 1	10:00 - 12:00	Neurological diseases	Dynamic postural reactions in individuals with chronic inflammatory demyelinating polyradiculoneuropathy at different stages of Dynamic postural reactions in individuals with chronic inflammatory demyelinating polyradiculoneuropathy at different stages of immunomodulatory treatment	P02-N-119	Mark Carpenter
July 1	10:00 - 12:00	Neurological diseases	Digital cueing with laser shoes does not improve walking in Parkinson's disease: Evidence across disease severity and freezing status	P02-N-120	Samuel Stuart
July 1	10:00 - 12:00	Neurological diseases	Enhancing balance and mobility: The role of exercise in postural and dynamic stability for Parkinson's disease	P02-N-121	Jana Kimijanová
July 1	10:00 - 12:00	Neurological diseases	Deep brain stimulation improves gait initiation anticipatory postural adjustments in Parkinson's disease	P02-N-122	Sommer Amundsen-Huffmaster
July 1	10:00 - 12:00	Neurological diseases	Capturing ataxic gait with or without shoes? A question of sensitivity versus relevance to everyday life	P02-N-123	Jens Seemann
July 1	10:00 - 12:00	Neurological diseases	Classification of medication states in Parkinson's disease patients through gait analysis	P02-N-124	Sophia Otalora
July 1	10:00 - 12:00	Neurological diseases	Effects of a novel turning intervention on prefrontal cortex activity during walking in Parkinson's disease: An exploratory analysis	P02-N-125	Keiko Tsuji
July 1	10:00 - 12:00	Neurological diseases	Consistency of daily gait fluctuations in Parkinson's disease: Insights from real-world data	P02-N-126	Kirsty Scott
July 1	10:00 - 12:00	Neurological diseases	Spontaneous outdoor cycling in Flanders: A Comparison between people with Parkinson's disease and healthy age-matched controls	P02-N-127	Tim Maurissens

July 1	10:00 - 12:00	Orthopedic diseases and injuries	How does the brain control a sudden loss of balance in ACL ruptured adult males pre- and post-reconstructive surgery: A 9-month EEG test-retest study	P02-O-128	Callum Jarvis
July 1	10:00 - 12:00	Orthopedic diseases and injuries	Effects of diaphragm function on iliopsoas activation in individuals with chronic ankle sprains	P02-O-129	Isobe Ryoya
July 1	10:00 - 12:00	Orthopedic diseases and injuries	Effects of intermittent vibrational stimulation on gait and stair kinematics in ACL rehabilitation	P02-O-130	Tomer Yona
July 1	10:00 - 12:00	Proprioceptive function and disorders development of posture and gait	Impaired ankle proprioception impacts postural stability in Parkinson's disease	P02-P-131	Erika Howe
July 1	10:00 - 12:00	Sensorimotor control	Reactive balance deficits in acute and chronic mild traumatic brain injury	P02-R-132	Cecilia Monoli
July 1	10:00 - 12:00	Sensorimotor control	The role of optic flow on muscle activity in the absence of overt movement in seated versus standing positions	P02-R-133	Kristen De Melo
July 1	10:00 - 12:00	Sensorimotor control	Reliability of short duration quiet standing balance testing in individuals endorsing neck and back pain: Assessing the utility of the modified clinical test of sensory integration and balance	P02-R-134	Paul Oakley
July 1	10:00 - 12:00	Sensorimotor control	Dual-task interference of sensory integration for navigation after concussion	P02-R-135	Sam Beech
July 1	10:00 - 12:00	Sensorimotor control	The effects of vibrotactile cueing of the foot sole on supplementary motor area activity during walking with and without arm swing	P02-R-136	Ytjanda Slood
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Validation of the a-gO system vs. VICON for nonlinear analysis of motor variability	P02-S-137	Baptiste Perthuy
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Open source pipeline for free-living gait analysis using thigh-worn accelerometry	P02-S-138	Claas Lendt
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Video-based measures of balance during the fukuda stepping test in subjects with varying balance abilities	P02-S-139	Hannah Heigold

July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Reliability of virtual reality (VR) system compared to Techobody® in assessing postural stability in young healthy adults	P02-S-140	Mshari Alghadier
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Using interactive ground projection mapping to assess motor-cognitive performance in young healthy adults	P02-S-141	Nadja Schott
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Effect of trial length and stitching on fractal analysis of gait	P02-S-142	Philip Martins
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Learning to navigate a virtual reality maze requiring obstacle clearance skills in older and young healthy adults	P02-S-143	Rakie Cham
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	A lab-based, multi-task fatigue protocol for older adults and stroke survivors: Development and pilot results	P02-S-144	Reinhard Claeys
July 1	10:00 - 12:00	Tools and methods for posture and gait analysis	Let's rock - classification of balance recovery steps in the wild: Application to punk rock concerts	P02-S-145	Thomas Chatagnon
July 1	10:00 - 12:00	Vestibular function and disorders	The temporal dynamics of standing balance in patients with bilateral vestibulopathy	P02-T-146	Adéla Kola
July 1	10:00 - 12:00	Vestibular function and disorders	Impaired vestibulo-ocular reflex precision observed bilaterally within subjects with unilateral vestibular schwannoma	P02-T-147	Caroline Hardin
July 1	10:00 - 12:00	Vestibular function and disorders	Effects of the vestibulocochlear implant on balance and gait in bilateral vestibulopathy	P02-T-148	Meichan Zhu
July 1	10:00 - 12:00	Vestibular function and disorders	Prefrontal cortex activity during the clinical test of sensory integration on balance in post-concussion syndrome patients	P02-T-149	Norman Dang
July 1	10:00 - 12:00	Vestibular function and disorders	Vestibular control of balance and oculomotor systems during sit-to-stand transitions	P02-T-150	Patrick Forbes
July 1	10:00 - 12:00	Vestibular function and disorders	Individuals with superior canal dehiscence syndrome have altered gait kinematics	P02-T-151	Raabeae Aryan
July 2	10:00 - 12:00	Activity monitoring	Questionable feasibility of longitudinal real-world gait data collection in individuals undergoing knee arthroplasty	P03-A-01	Frank Bruning

July 2	10:00 - 12:00	Activity monitoring	Mobile Spatiotemporal Gait Segmentation using an ear-worn motion sensor and deep learning	P03-A-02	Julian Decker
July 2	10:00 - 12:00	Activity monitoring	Activity recognition across multiple daily activities using deep learning and wearable sensors: A proof-of-concept study	P03-A-03	Metin Bicer
July 2	10:00 - 12:00	Activity monitoring	Understanding movement and activities in Parkinson's via using wearable sensors embedded into clothing	P03-A-04	Zeynep Velioglu
July 2	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Reactivity of the autonomic nervous system during visual-physical incongruent walking conditions- a virtual reality study	P03-B-05	Adi Lustig
July 2	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Exploring gait automaticity and prefrontal brain activity during single and dual-task walking in aging and Parkinson's disease	P03-B-06	Alexander Kvist
July 2	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Bilateral vestibulo-ocular reflex gain-down adaptation impairs rapid balance corrections for increased sway in healthy adults	P03-B-07	Eric Anson
July 2	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Distinct effects of center of mass immobilization on fast and slow center of pressure dynamics	P03-B-08	Lucas Michaud
July 2	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Action simulation as an intervention to improve balance, mobility and gait in healthy older adults: A scoping review	P03-B-09	Neza Grilc
July 2	10:00 - 12:00	Adaptation, learning, plasticity and compensation	Gait adaptation and modulation deficits in older adults with and without cognitive impairments	P03-B-10	Trisha Kesar
July 2	10:00 - 12:00	Aging	Cognitive-motor interactions post concussion: A systematic review of dual-task gait in middle-aged adults	P03-C-11	Alka Bishnoi
July 2	10:00 - 12:00	Aging	Integrating margin of stability and physiologic profile assessment: A dynamic approach to fall risk prediction	P03-C-12	Ashwini Kulkarni
July 2	10:00 - 12:00	Aging	Examining gaze-driven postural adaptations in older adults with and without central visual field loss	P03-C-13	Catherine Agathos

July 2	10:00 - 12:00	Aging	Augmented reality induced gait and postural balance perturbations in fallers and non-fallers, a multisensory approach	P03-C-14	Eugénie Lambrecht
July 2	10:00 - 12:00	Aging	Predicting frailty status from six-minute overground walk IMU data using convolutional neural networks	P03-C-15	Kai Zhe Tan
July 2	10:00 - 12:00	Aging	The impact of pain on falls in middle-aged and older people: Gait quality as a mediator in UK biobank data	P03-C-16	Mahsa Seydi
July 2	10:00 - 12:00	Aging	Mind the gap: Younger and older adults use different behavioural strategies to cross a path in virtual reality	P03-C-17	Maja Walters
July 2	10:00 - 12:00	Aging	Movement specificity of balance recovery in older adults	P03-C-18	Nikita Sharma
July 2	10:00 - 12:00	Aging	Relationship between respiratory muscle strength and dynamic balance in older persons requiring care or support: Focusing on the maximal single step length test and maximal double step length test as dynamic balance indices	P03-C-19	Takumi Jiroumaru
July 2	10:00 - 12:00	Aging	Identifying the factors that contribute to gait efficacy in people with Parkinson's disease	P03-C-20	Talia Herman- Feinstein
July 2	10:00 - 12:00	Aging	10 minutes in virtual reality is insufficient for gait adaptation to occur in young and older adults	P03-C-21	Tarique Siragy
July 2	10:00 - 12:00	Aging	Cultural adaptation and validation of the Arabic short version of the Iconographical Falls Efficacy Scale (Icon-FES): Assessing concern about falling among older adults	P03-C-22	Worood Alharbi
July 2	10:00 - 12:00	Aging	Differences in localized ground reaction forces between older fallers and non-fallers using a shoe sensor system	P03-C-23	Yuzuki Nakai
July 2	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	Higher cortical demand in more challenging walking tasks: Insights from fNIRS	P03-D-24	Costanza lester

July 2	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	The neural correlates of gait and executive function deficits in fragile x-associated tremor/ataxia syndrome (FXTAS): A preliminary study	P03-D-25	Emily Timm
July 2	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	Brain imaging of whole body movement	P03-D-26	Meaghan Spedden
July 2	10:00 - 12:00	Biomechanics Brain imaging/activation during posture and gait	Speed and handrail use shape cortical activity during treadmill walking: Implications for rehabilitation programs	P03-D-27	Monica Biggio
July 2	10:00 - 12:00	Cognitive impairments	Lower verbal fluency negatively impacts balance and gait variability and rhythm are predictive of fallers in fragile x-associated tremor/ataxia syndrome (FXTAS)	P03-E-28	Joan O'keefe
July 2	10:00 - 12:00	Cognitive impairments	Reducing falls risk post hip fracture in older adults with cognitive impairment: A randomized controlled trial	P03-E-29	Teresa Liu-Ambrose
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Eye-opening insights into postural sway and cognitive load	P03-F-30	Carolyn Curtze
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Cognitive functioning and falls in older people: A systematic review and meta-analysis	P03-F-31	Daina Sturnieks
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	High trait balance vigilance is associated with maladaptive changes in perceptions of stability and postural control in community-dwelling older adults	P03-F-32	Elmar Kal
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Medial lateral separation and age determinants on collision avoidance behaviours	P03-F-33	Hanna Kryschuk
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Identifying modifiable predictors of balance discordance in Parkinson's disease: Implications for fall risk reduction	P03-F-34	Jason Longhurst
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Measured and perceived body tilt during stance and gait in patients with persistent postural perceptual dizziness (PPPD): Vibro-tactile biofeedback training reduces measured and perceived body tilt	P03-F-35	John Allum

July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	The attentional demands of backwards locomotion	P03-F-36	John Stins
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Exploring the relationship of behavioral regulation with freezing of gait	P03-F-37	Arthur Eduardo Casagrande Pinto
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Dual-task interference with cortical activation and gait control in Parkinson's disease: An exploratory pilot study	P03-F-38	Paulo Cezar Santos
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	The effects of anxiety and cognitive load on freezing of gait in Parkinson's disease	P03-F-39	Pieter Ginis
July 2	10:00 - 12:00	Cognitive, attentional, and emotional influences	Height-induced postural threat modulates spinal excitability of the lower-limb muscles: A transcutaneous spinal cord stimulation study	P03-F-40	Ryogo Takahashi
July 2	10:00 - 12:00	Coordination of posture and gait	Mechanical support rather than sensory feedback is required to resolve differences in postural sway between traumatic unilateral transtibial prosthesis users and unimpaired age- and sex-matched adults	P03-G-41	Andrew Sawers
July 2	10:00 - 12:00	Coordination of posture and gait	Exploring the effect of focus of attention on COP parameters: Virtual reality versus real world environment	P03-G-42	Aybike Şenel
July 2	10:00 - 12:00	Coordination of posture and gait	Children and adults have different neuromuscular coordination strategies of lower limb muscles during gait	P03-G-43	Carla Harkness-Armstrong
July 2	10:00 - 12:00	Coordination of posture and gait	Impact of support surface characteristics on postural sway during standing	P03-G-44	Esma Nur Kolbaşı Dogan
July 2	10:00 - 12:00	Coordination of posture and gait	Transition between discrete and rhythmic dynamics in human walking	P03-G-45	Giulia Panconi
July 2	10:00 - 12:00	Coordination of posture and gait	Contribution of sensorimotor function to gait performance in people with COPD compared with age-matched controls	P03-G-46	Grant Trewartha
July 2	10:00 - 12:00	Coordination of posture and gait	Choice of formula impacts estimate and interpretation of co-contraction levels: A study with synthetic EMG	P03-G-47	Hannah Carey
July 2	10:00 - 12:00	Coordination of posture and gait	Motor unit firing behavior during ankle joint control in standing	P03-G-48	Hiroki Arakawa

July 2	10:00 - 12:00	Coordination of posture and gait	Does vestibular system affect the anticipatory postural adjustments during gait initiation?	P03-G-49	Hiroki Mani
July 2	10:00 - 12:00	Coordination of posture and gait	How does credit assignment of error during practice of a balance task influence generalizability of learning?	P03-G-50	Kimia Mahdavian
July 2	10:00 - 12:00	Coordination of posture and gait	Impact of unexpected upper limb perturbations on postural control in young adults	P03-G-51	Letícia Freitas
July 2	10:00 - 12:00	Coordination of posture and gait	Clinical utility of instrumented gait assessment in patients with limb girdle muscular dystrophy R2	P03-G-52	Lisa Alcock
July 2	10:00 - 12:00	Coordination of posture and gait	Simultaneous pseudorandom multidimensional platform and visual perturbations increased postural responses	P03-G-53	Manami Fujii
July 2	10:00 - 12:00	Coordination of posture and gait	The role of functional capacity in fall risk assessment among older adults with knee Osteoarthritis	P03-G-54	Manar Alshahrani
July 2	10:00 - 12:00	Coordination of posture and gait	Foot placement control based on center-of-mass velocity feedback may be underestimated	P03-G-55	Maira Van Leeuwen
July 2	10:00 - 12:00	Coordination of posture and gait	Relationship between posture and gait stability in children with Cerebral Palsy	P03-G-56	Morgan Sangeux
July 2	10:00 - 12:00	Coordination of posture and gait	Postural control and its relation with pregnancy-related lumbopelvic pain in multigravid pregnant women	P03-G-57	Myrthe Gregoor
July 2	10:00 - 12:00	Coordination of posture and gait	Gait speed-dependent and asymmetrical foot placement control of paretic and non-paretic steps in persons with chronic stroke	P03-G-58	Noel Keijsers
July 2	10:00 - 12:00	Coordination of posture and gait	Turning speed and instability in people with unilateral vestibular loss during the functional gait assessment gait with pivot turn	P03-G-59	Noemi Montemurro
July 2	10:00 - 12:00	Coordination of posture and gait	Proactive and reactive modulation of mechanical work during underfoot perturbations with varying physical certainty	P03-G-60	Paula Kramer
July 2	10:00 - 12:00	Coordination of posture and gait	Comparison of mechanisms for frontal plane control of dynamic balance during walking and stepping-in-place	P03-G-61	Robert Peterka

July 2	10:00 - 12:00	Coordination of posture and gait	Effect of variable movement amplification gains on center of mass dynamics and stepping kinematics in people with chronic stroke	P03-G-62	Shamali Dusane
July 2	10:00 - 12:00	Coordination of posture and gait	Comparison of craniovertebral angle between using a portable analog head posture instrument (PAHPI) and a radiograph in healthy young adults	P03-G-63	Sirirat Tohpreecha
July 2	10:00 - 12:00	Coordination of posture and gait	Disturbed proprioceptive postural control may be related to impaired multifidus muscle quality in people with low back pain	P03-G-64	Sofie Dierckx
July 2	10:00 - 12:00	Coordination of posture and gait	Kinematic and muscle networks reveal the modular control of sit-to-stand movements	P03-G-65	Tjeerd Boonstra
July 2	10:00 - 12:00	Coordination of posture and gait	Impact of vestibular schwannoma characteristics on gait control: Can KOOS scores inform functional affordance?	P03-G-66	Wagner Souza
July 2	10:00 - 12:00	Coordination of posture and gait	The impact of visual perturbations on balance control during walking	P03-G-67	Yaqi Li
July 2	10:00 - 12:00	Devices to improve posture and gait	Investigating the effects of foot orthotics on dynamic stability in females with pes planus foot posture	P03-I-68	Kelly Robb
July 2	10:00 - 12:00	Devices to improve posture and gait	Visual and tactile biofeedback without training	P03-I-69	Marcel Tesolin
July 2	10:00 - 12:00	Devices to improve posture and gait	Towards Myoelectric model-based control of bionic legs in the outdoors	P03-I-70	Matej Tomc
July 2	10:00 - 12:00	Exercise and physical activity	Individual calf muscle structural and functional responses to 12 weeks of eccentric training	P03-J-71	Cintia Rivas
July 2	10:00 - 12:00	Exercise and physical activity	Effects of tailored intense physical exercise in the hospital and patients' daily life in Parkinson's disease and atypical Parkinsonian disorders. A multicenter, double-blind, randomized controlled trial	P03-J-72	Heiko Gassner
July 2	10:00 - 12:00	Exercise and physical activity	Koku4pd - co-development of the keep on keep up program for people with Parkinson's	P03-J-73	Julia Das
July 2	10:00 - 12:00	Exercise and physical activity	Optimal reactive balance training characteristics post-stroke: Secondary analysis of a randomized controlled trial	P03-J-74	Julia Faria

July 2	10:00 - 12:00	Exercise and physical activity	The effect of lower limb movement velocities on trunk muscle activity and dynamic stability during the Sahrmann core stability test	P03-J-75	Kohei Yoshikawa
July 2	10:00 - 12:00	Exercise and physical activity	Dose-response relationship of treadmill perturbation-based balance training for improving reactive balance in older adults at risk of falling	P03-J-76	Natalie Hezel
July 2	10:00 - 12:00	Falls and fall prevention	Targeted stepping in persons with stroke: The role of external support and pre-step strategy on foot placement accuracy and precision	P03-K-77	Adi Tayer-Yeshurun
July 2	10:00 - 12:00	Falls and fall prevention	Design considerations for fall-resisting skills training trials in older adults: A pilot study	P03-K-78	Elisabeth Van Der Hulst
July 2	10:00 - 12:00	Falls and fall prevention	Structural neural correlates of balance recovery responses among fallers and non-fallers older adults	P03-K-79	Inbal Paran
July 2	10:00 - 12:00	Falls and fall prevention	Center of pressure control in a forward fall arrest	P03-K-80	James Borrelli
July 2	10:00 - 12:00	Falls and fall prevention	Identifying key clinical and mobility measures for fall risk classification in Parkinson's disease	P03-K-81	Marta Mirando
July 2	10:00 - 12:00	Falls and fall prevention	The effect of functional electrical stimulation combined with reactive balance training on reactive stepping in individuals with incomplete spinal cord injury: A randomized clinical trial	P03-K-82	Matthew Heffernan
July 2	10:00 - 12:00	Falls and fall prevention	Detecting gait disturbances in older adults using Machine Learning on week-long acceleration data	P03-K-83	Nina Marie Schmidt
July 2	10:00 - 12:00	Falls and fall prevention	Subjective instability perception and stepping responses in Bilateral Vestibular Hypofunction	P03-K-84	Patricia Castro
July 2	10:00 - 12:00	Falls and fall prevention	Influence of Levodopa-Induced Dyskinesia on falls and injuries caused by falls in people with Parkinson's disease: A PPMI prospective cohort study	P03-K-85	Paulo Pelicioni

July 2	10:00 - 12:00	Falls and fall prevention	Surface perturbation treadmill training program enhances and improves reactive unloaded-leg stepping strategies during standing in older adults: A single-blinded randomized controlled trial	P03-K-86	Shani Batcir
July 2	10:00 - 12:00	Falls and fall prevention	The priming effects of mechanical vibrations on trip-like stance perturbations in healthy adults	P03-K-87	Tamaya Van Criekinge
July 2	10:00 - 12:00	Falls and fall prevention	Elevated vestibular perceptual thresholds and their impact on balance in older adults	P03-K-88	Yuxiao Li
July 2	10:00 - 12:00	Habilitation & rehabilitation	How physiotherapists conceptualize, assess and treat temporal gait asymmetry in people with stroke	P03-L-89	Kara Patterson
July 2	10:00 - 12:00	Habilitation & rehabilitation	The effects of dual-tasking on gait parameters in individuals with concussion	P03-L-90	Saud Alsubaie
July 2	10:00 - 12:00	Habilitation & rehabilitation	Exploring the effects of torque pulse magnitude, duration, and timing at the ankle on muscle activity during walking	P03-L-91	Zahra Mahdian
July 2	10:00 - 12:00	Modeling	Are individual-specific differences in gait dynamics maintained in overground versus treadmill walking?	P03-M-92	Emily Smith
July 2	10:00 - 12:00	Modeling	A phenomenological approach to understand the mechanical properties of the tibialis anterior during gait	P03-M-93	Jin Min Kim
July 2	10:00 - 12:00	Modeling	A model-based investigation of standing behaviour during centre of mass immobilization	P03-M-94	Kyle Missen
July 2	10:00 - 12:00	Modeling	Insights from human walking kinematics decomposition	P03-M-95	Yogev Koren
July 2	10:00 - 12:00	Neurological diseases	Translating outcomes of gait interventions to real-world gait in Parkinson's disease	P03-N-96	Charlotte Lang
July 2	10:00 - 12:00	Neurological diseases	The design and training process for a novel freezing of gait clinician rated outcome assessment	P03-N-97	Erika Howe
July 2	10:00 - 12:00	Neurological diseases	Can a deep learning algorithm assess freezing of gait during a turning task in people with Parkinson's disease?	P03-N-98	Goris Maaike

July 2	10:00 - 12:00	Neurological diseases	Turning performance in Parkinson's disease: classification of prospective fallers and freezers using wearable inertial sensors	P03-N-99	Ilaria D'ascanio
July 2	10:00 - 12:00	Neurological diseases	Clinical relevance of instrumented gait assessments in hospital and everyday life in patients with sporadic and atypical Parkinson's syndromes	P03-N-100	Isabelle Teckenburg
July 2	10:00 - 12:00	Neurological diseases	Movement deficits in sit-to-stand and stand-to-sit transitions during the five times sit-to-stand test in Parkinson's disease	P03-N-101	Karolina Saegner
July 2	10:00 - 12:00	Neurological diseases	Retropulsion and backward falls in neurorehabilitation	P03-N-102	Klaus Jahn
July 2	10:00 - 12:00	Neurological diseases	Cue-driven cortical modulation during the gait cycle in Parkinson's disease and healthy adults	P03-N-103	Lei Ma
July 2	10:00 - 12:00	Neurological diseases	Using an in home, low barrier intervention targeting sedentarism to improve motor, non-motor function and quality of life in Parkinson's disease: A feasibility randomized, controlled clinical trial	P03-N-104	Miriam Bohnen
July 2	10:00 - 12:00	Neurological diseases	The influence of motor asymmetry on gait adaptation in Parkinson's disease before and after long-term split-belt treadmill training	P03-N-105	Nicholas D'cruz
July 2	10:00 - 12:00	Neurological diseases	Preliminary assessment of upper limb engagement and motor strategies in stroke patients using inertial sensors	P03-N-106	Patrizio Manzari
July 2	10:00 - 12:00	Neurological diseases	Investigating the link between movement perception, sensory feedback, and anxiety in Parkinson's disease	P03-N-107	Pershia Norouzian
July 2	10:00 - 12:00	Neurological diseases	Ability of the figure-of-eight test to detect balance impairment in individuals after stroke	P03-N-108	Ramon Boekesteijn
July 2	10:00 - 12:00	Neurological diseases	Visual perturbation treadmill training improves gait and reduces visual dependency in people with Parkinson's disease	P03-N-109	Remco Baggen

July 2	10:00 - 12:00	Neurological diseases	A smartphone app for falls reporting in Parkinson's: Feedback from people with Parkinson's and healthcare professionals	P03-N-110	Rosie Morris
July 2	10:00 - 12:00	Neurological diseases	Non-invasive brain stimulation to alleviate freezing of gait in Parkinson's Disease: An investigation into Neuroanatomical influences	P03-N-111	Sara Perfetto
July 2	10:00 - 12:00	Neurological diseases	Longitudinal changes in effective connectivity and structural integrity underlying freezing of gait in Parkinson's disease	P03-N-112	Seira Taniguchi
July 2	10:00 - 12:00	Neurological diseases	Freezing of gait in people with Parkinson's disease measured in the home setting: do FOG- provoking tests reflect daily living?	P03-N-113	Valeri Sandler
July 2	10:00 - 12:00	Neurological diseases	A machine learning approach to guide optimal gait tasks and measures to identify de-novo people with Parkinson's disease	P03-N-114	Valerio Antonio Arcobelli
July 2	10:00 - 12:00	Neurological diseases	Outcome measures of instrumented gait analysis in hereditary Spastic Paraplegia: A systematic review	P03-N-115	Veronika Koch
July 2	10:00 - 12:00	Neurological diseases	Sensor-based assessment of gait and balance in aging and neurological disorders: Exploring biomarkers through progressively complex tasks	P03-N-116	Andree Rossi
July 2	10:00 - 12:00	Neurological diseases	The added value of training gait stability on an instrumented treadmill in persons with a brain lesion	P03-N-117	Anke Van Bladel
July 2	10:00 - 12:00	Neurological diseases	To combine or not to combine – can smart algorithms reliably detect patterns regardless of the input?	P03-N-118	Aske Gye Larsen
July 2	10:00 - 12:00	Neurological diseases	Testing inter-effort recovery hypoxia in people with Parkinson's disease: Acute responses on gait parameters	P03-N-119	Carlos Kalva-Filho
July 2	10:00 - 12:00	Orthopedic diseases and injuries	Minimal important difference of digital mobility outcomes (DMOS) in older adults after hip fracture	P03-O-120	Carl-Philipp Jansen

July 2	10:00 - 12:00	Orthopedic diseases and injuries	Longitudinal analysis of knee, hip, and ankle kinematics post-ACLR across varying walking speeds using wearable sensors	P03-O-121	Tomer Yona
July 2	10:00 - 12:00	Proprioceptive function and disorders development of posture and gait	Region-dependent proprioceptive reweighting when standing on an unstable surface	P03-P-122	Étienne Marteau
July 2	10:00 - 12:00	Proprioceptive function and disorders development of posture and gait	Early detection of postural instability in individuals with diabetic peripheral neuropathy using a custom smartphone application	P03-P-123	Shirin Hussain
July 2	10:00 - 12:00	Proprioceptive function and disorders development of posture and gait	Back-to-back, a proof of concept study investigating the role of back muscle characteristics to tailor exercise therapy for recurrent non-specific low back pain: Study protocol and preliminary analysis of proprioceptive postural control results	P03-P-124	Vasiliki Karagiannopoulou
July 2	10:00 - 12:00	Robotics	Improving the synchronization between human movements and a motorized exoskeleton	P03-Q-125	Bar Itskovitch Kiner
July 2	10:00 - 12:00	Robotics	The effects of ankle assistive robot on toe clearance during stair climbing in healthy adults	P03-Q-126	Nanami Ikeya
July 2	10:00 - 12:00	Robotics	Investigation of cortical activity changes induced by gait training with an ankle assistive robot	P03-Q-127	Shota Tajima
July 2	10:00 - 12:00	Sensorimotor control	Effect of arm sway and vision on gait fractal properties	P03-R-128	Cecilia Power
July 2	10:00 - 12:00	Sensorimotor control	The effects of dynamic visual cues on perceived movement and postural responses during dynamic stance	P03-R-129	Kayton Jaksic
July 2	10:00 - 12:00	Sensorimotor control	The role of modified optic flow gain during static and dynamic balance control	P03-R-130	Nora Pourhashemi
July 2	10:00 - 12:00	Sensorimotor control	The utility of the eye-height to shoulder width ratio when determining the passability of an aperture	P03-R-131	Paul Mysko
July 2	10:00 - 12:00	Sensorimotor control	Characteristics of dynamic balance function in healthy individuals	P03-R-132	Zhiqiang Qi

July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Comparing marker and markerless motion capture systems in healthy older adults performing reactive balance assessments	P03-S-133	Alex Kalli
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Clinical vs real-world assessment of gait and balance deficits in neurological populations: A preliminary protocol study	P03-S-134	Amaranta Soledad Orejel Bustos
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Improved accuracy of the Center of Mass position through Kalman filtering of kinematic and kinetic information	P03-S-135	Charlotte Le Mouel
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Spinal reflex modulation as a biomarker for postural and gait problems in Parkinson's disease	P03-S-136	Christine Helseth
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Validity and reliability of wrist sensor-based measures of the arm swing during free-living gait in Parkinson's disease	P03-S-137	Erik Post
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Objective mobility assessment with wearable sensors for clinical application in Parkinson's disease: From validation to fall prediction	P03-S-138	Gabriella Gatti
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Postural transfers and balance in real-world and laboratory settings	P03-S-139	Jose Albites-Sanabria
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Are we able to predict the energy expenditure from just a single shank IMU for both overground and treadmill walking? A replication attempt of the Stanford Open-Metabolics project and new insights in wearable activity monitoring	P03-S-140	Kanako Kamishita
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	An MRI-compatible balance simulation using visual feedback: A validation study	P03-S-141	Nourallah Salem
July 2	10:00 - 12:00	Tools and methods for posture and gait analysis	Test-retest reliability and validity of augmented-reality glasses for gait and balance assessments in persons with Parkinson's disease	P03-S-142	Pieter Van Doorn
July 2	10:00 - 12:00	Vestibular function and disorders	Human balance discrimination threshold: Violation of weber's law as a function of vestibular stimulus frequencies	P03-T-143	Atika Omerani

July 2	10:00 - 12:00	Vestibular function and disorders	Assessing vestibular performance across military occupational specialties in naval aviation	P03-T-144	Julia Lytle
July 2	10:00 - 12:00	Vestibular function and disorders	Internal models in active self-motion estimation during steering	P03-T-145	Milou Van Helvert
July 2	10:00 - 12:00	Vestibular function and disorders	Professional baseball players demonstrate superior dynamic visual acuity and differences in vestibulo-ocular reflex performance, compared to similarly aged healthy controls	P03-T-146	Tyler Filippini
July 2	10:00 - 12:00	Vestibular function and disorders	Characteristics of center of gravity trajectory and balance strategy in patients with vestibular migraine	P03-T-147	Wei Wang
July 2	10:00 - 12:00	Vestibular function and disorders	Balance and gait in patients with acute post-traumatic benign paroxysmal positional vertigo	P03-T-148	Rebecca Smith
July 2	10:00 - 12:00	Visual function and disorders	Investigating the relationship between anxiety, attentional bias in older adults and people with Parkinson's	P03-U-149	Jiaxi Ye
July 2	10:00 - 12:00	Visual function and disorders	Characteristics of sensory weights in sensory organization tests for patients with vestibular migraine	P03-U-150	Xiaobang Huang